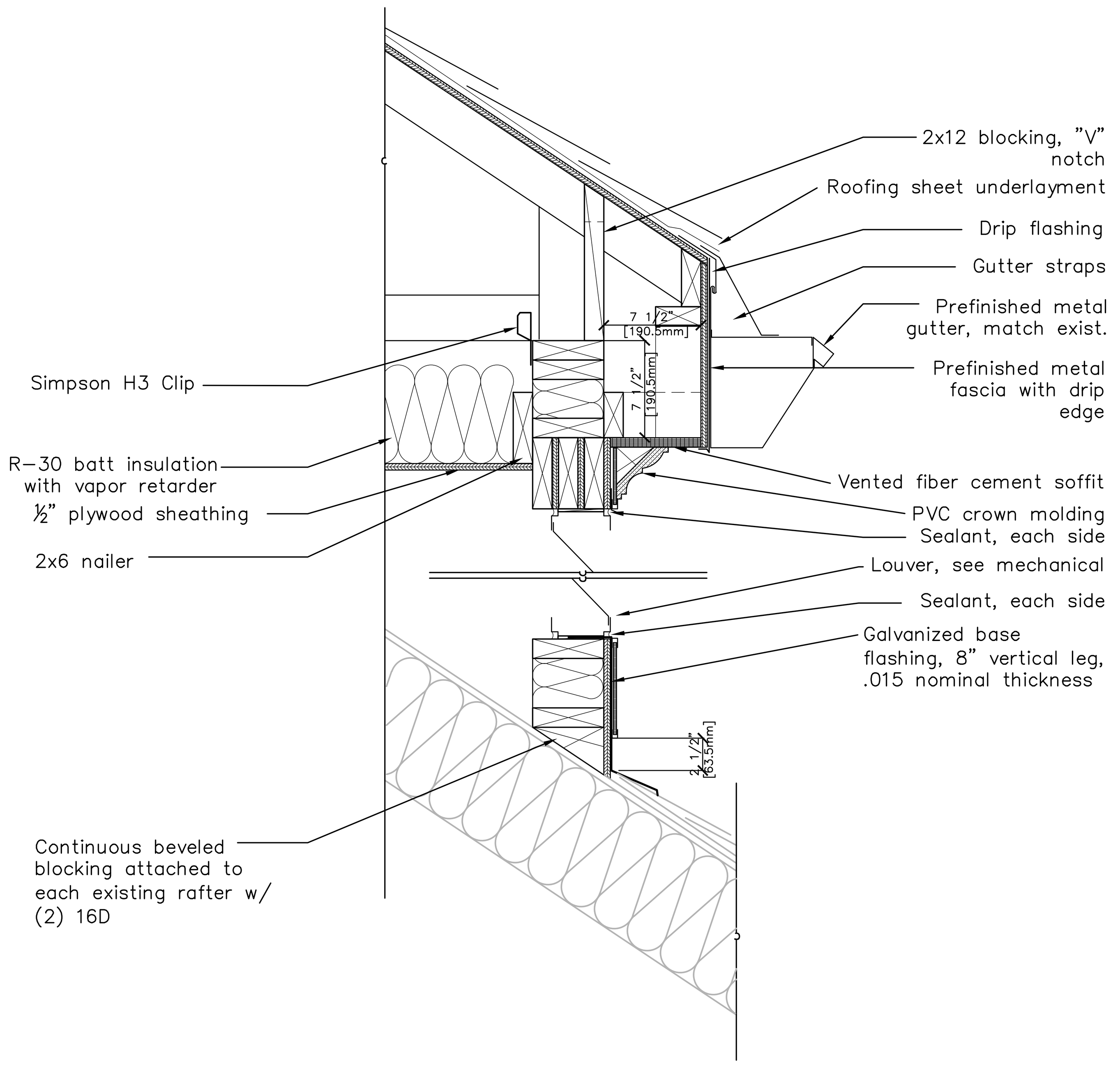
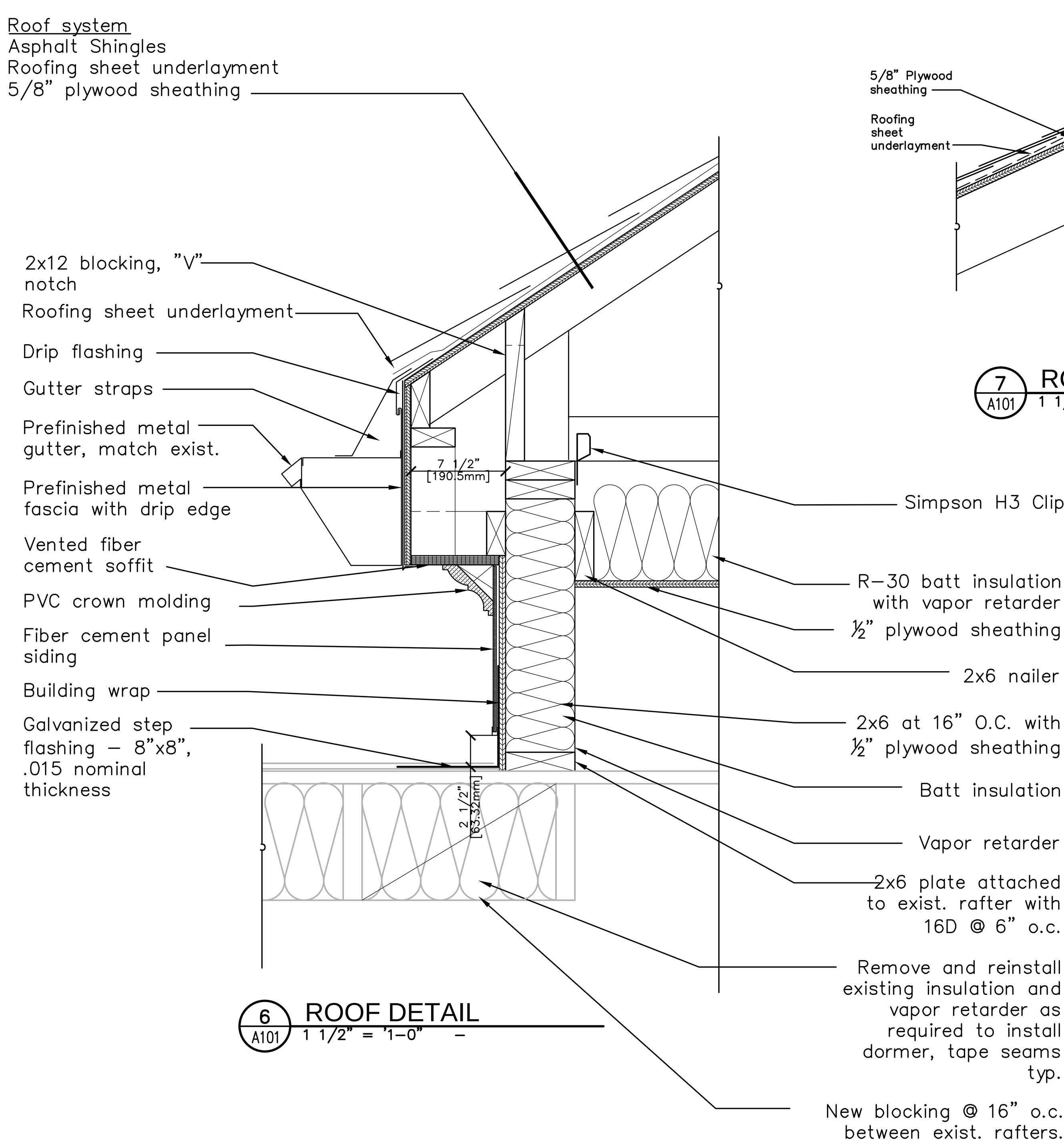
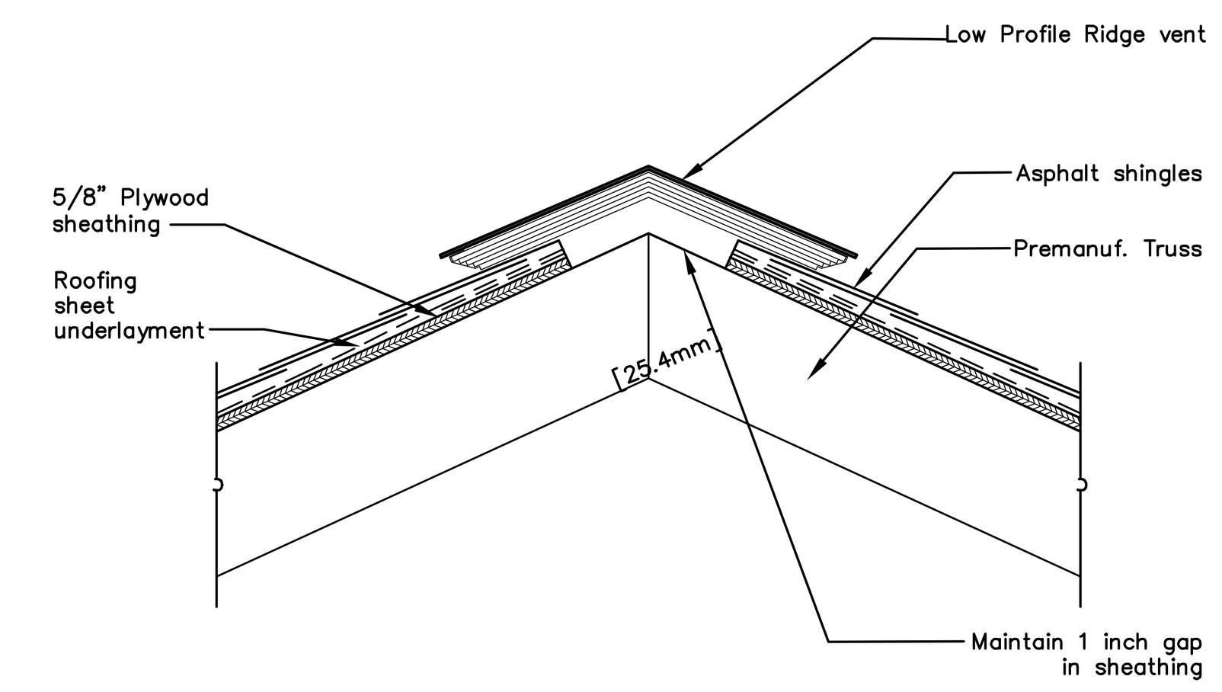


5 A101 ROOF DETAIL
1 1/2" = '1–0"



6 A101 ROOF DETAIL
1 1/2" = '1–0"



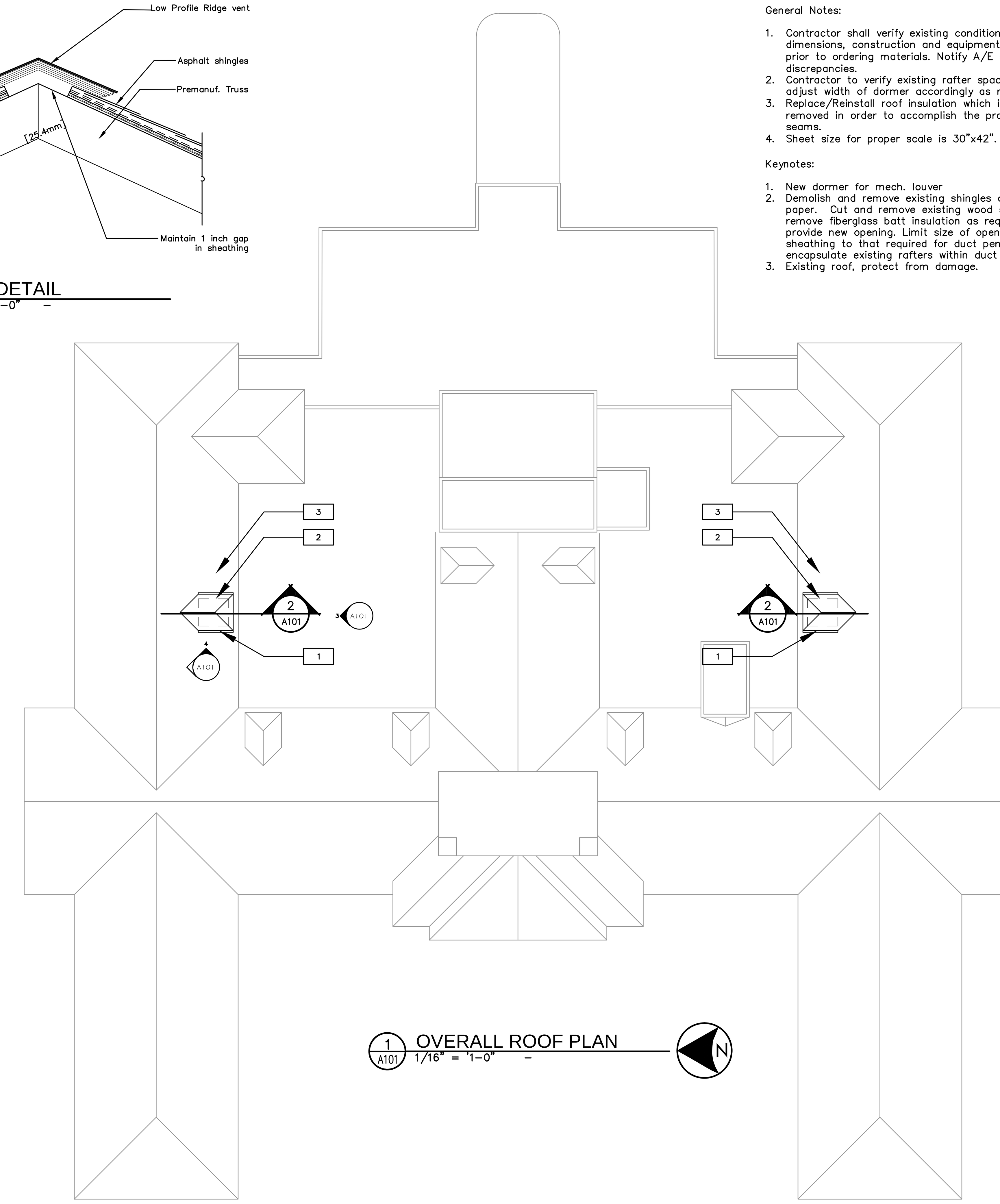
7 A101 ROOF DETAIL
1 1/2" = '1–0"

General Notes:

1. Contractor shall verify existing conditions, materials, dimensions, construction and equipment requirements prior to ordering materials. Notify A/E of any discrepancies.
2. Contractor to verify existing rafter spacing and adjust width of dormer accordingly as required.
3. Replace/Reinstall roof insulation which is temporarily removed in order to accomplish the project – retape seams.
4. Sheet size for proper scale is 30"x42".

Keynotes:

1. New dormer for mech. louver
2. Demolish and remove existing shingles and roof paper. Cut and remove existing wood sheathing and remove fiberglass batt insulation as required to provide new opening. Limit size of opening in sheathing to that required for duct penetration only, encapsulate existing rafters within duct if required.
3. Existing roof, protect from damage.



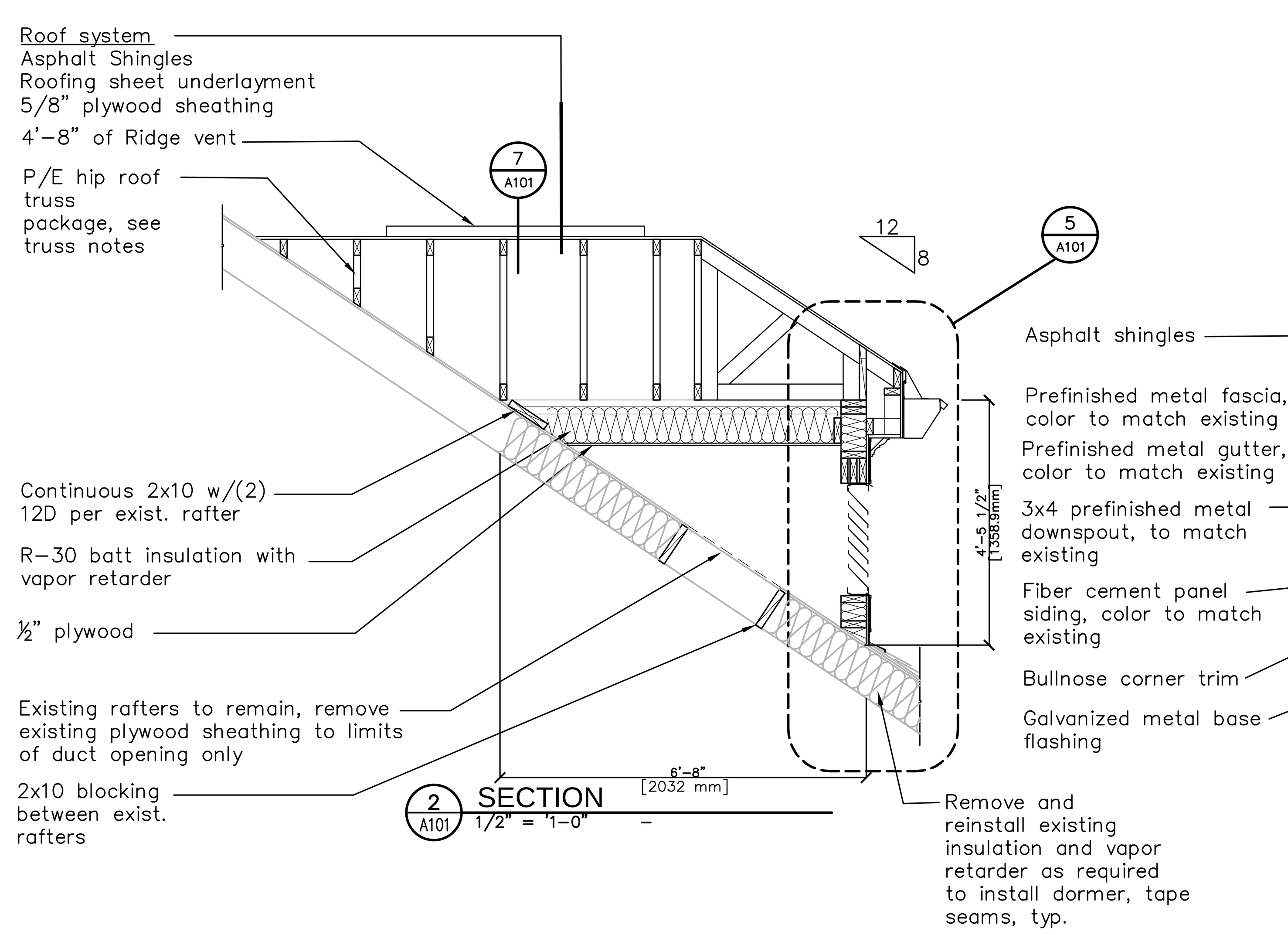
1 A101 OVERALL ROOF PLAN
1/16" = '1–0"

Ventilation Notes:

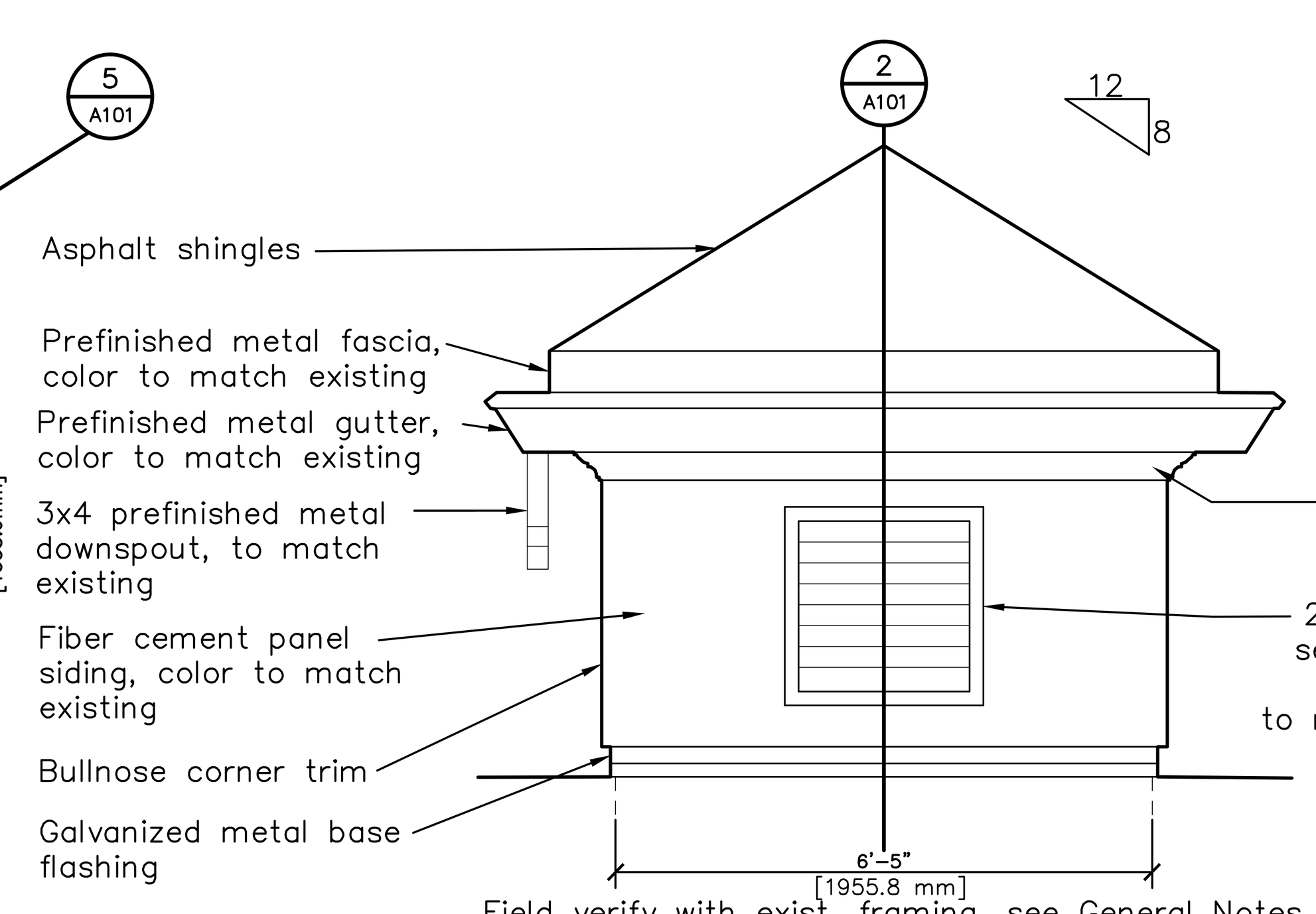
1. Min. required with vapor retarder – 144 sq. in. per 300 sq. ft. of floor space
2. Actual ventilation required – 17.28 sq. in. min.
3. 4'–8" of ridge vent provides 17.5 sq. in.
4. Vented soffit provides 15.62 sq. in.

Prefabricated wood trusses Notes:

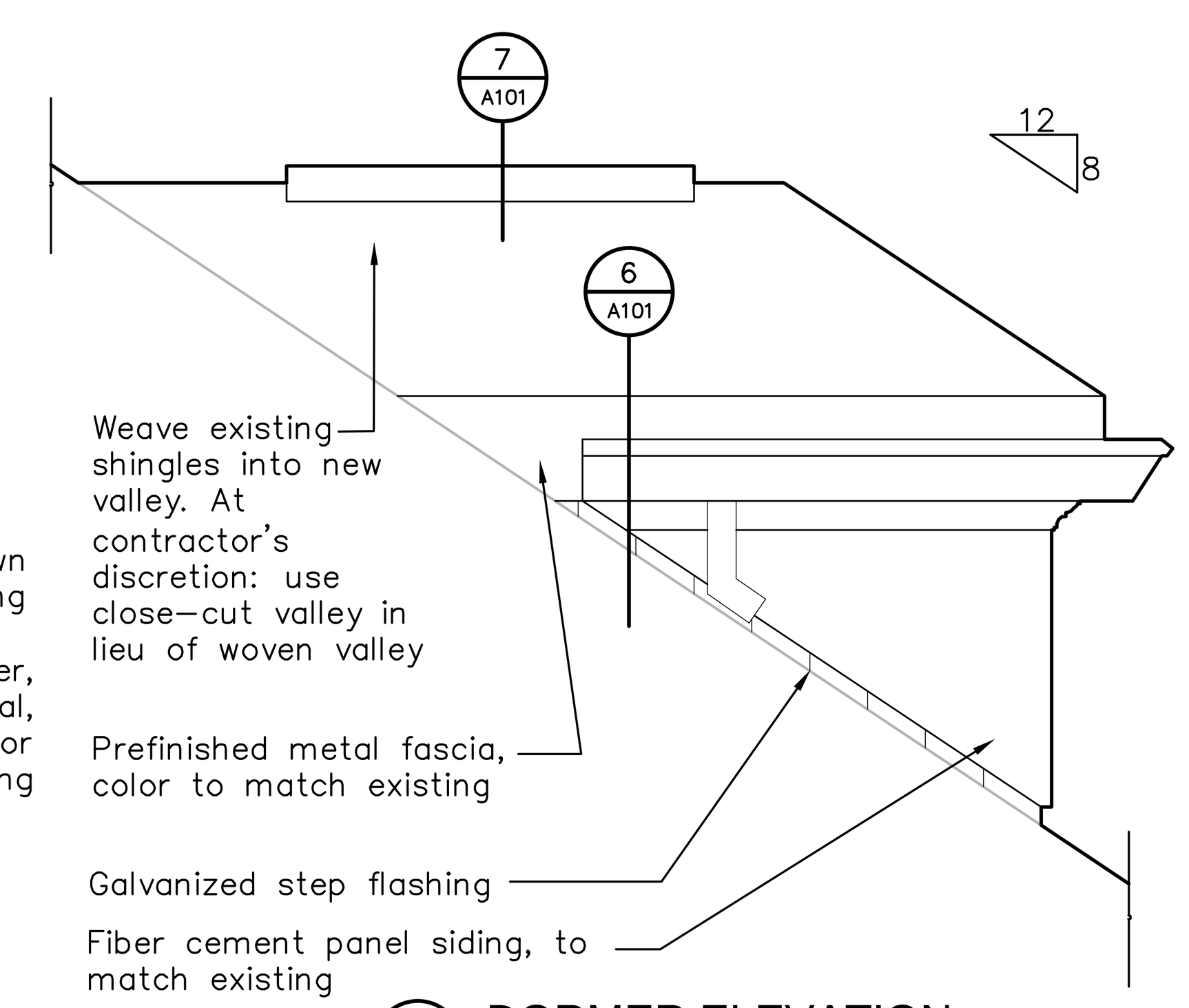
1. Truss space requirements: max. of 24 inches o.c.
2. Truss loading:
   A. Roof Top Chord snow load = 30 psf
   B. Roof Top Chord dead load = 10 psf
   C. Roof Bottom Chord Dead load = 5 psf
3. Truss live load deflections shall be limited to L/360 under snow load, L/240 under full load.
4. Trusses shall be fabricated by a certified member of the truss plate institute. Design,fabrication and erection shall conform to truss plate institute standards.
5. Connector plates shall be ICBO approved with a min. size of of 2"x4". All chord members shall have lumber grade stamps; all web members from the same lumber grade with at least 50% of the web members bearing a grade stamp. Truss design and erection plans shall be by a professional, engineer registered in the State in which they will be installed.
6. Shop drawings shall include, for each type of truss, dimensions and configurations, nominal lumber size and grade, specifications for connector plates used, size and location of each connector at each joint and amount of camber, if required, design calculations, shop drawings and erections plans shall be submitted for review prior to fabrication.
7. Handling, installation and bracing of all trusses shall follow the latest edition of TPI publication BCSI–B1, "Guide for handling, installing, restraining & bracing of trusses". Truss manufacturer shall fully coordinate truss bracing requirements with the contractor prior to installation.



2 A101 SECTION
1/2" = '1–0"



3 A101 DORMER ELEVATION
1/2" = '1–0"



4 A101 DORMER ELEVATION
1/2" = '1–0"

For Construction

Revisions:	Date

CONSULTANTS:

LICENSED ARCHITECT KIMBERLY K. SCHMIDT C-2546 Date: 5-10-13 STATE OF WYOMING

ARCHITECT/ENGINEERS:

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ARCHITECTURE ENGINEERING GIS SURVEYING
517 SEVENTH STREET
RAPID CITY, SD 57701
(605) 342-9470
(605) 348-0571 (FAX)
08–1542–022

Drawing Title: Roof plan and details

Approved: Project Director

Project Title: Sheridan VAMC Building 86 HVAC Remodel

Location: Sheridan, Wyoming

Date	Checked	Drawn
05 / 10 / 2013	KS	JA

Project Number: 666-14-108

Building Number: 86

Drawing Number: A101

Dwg. 2 of 27

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08–6231